# Habitat Use and Population Dynamics of Lamprey in Cedar Creek, WA

U. S. Fish and Wildlife Service
Columbia River Fisheries Program Office

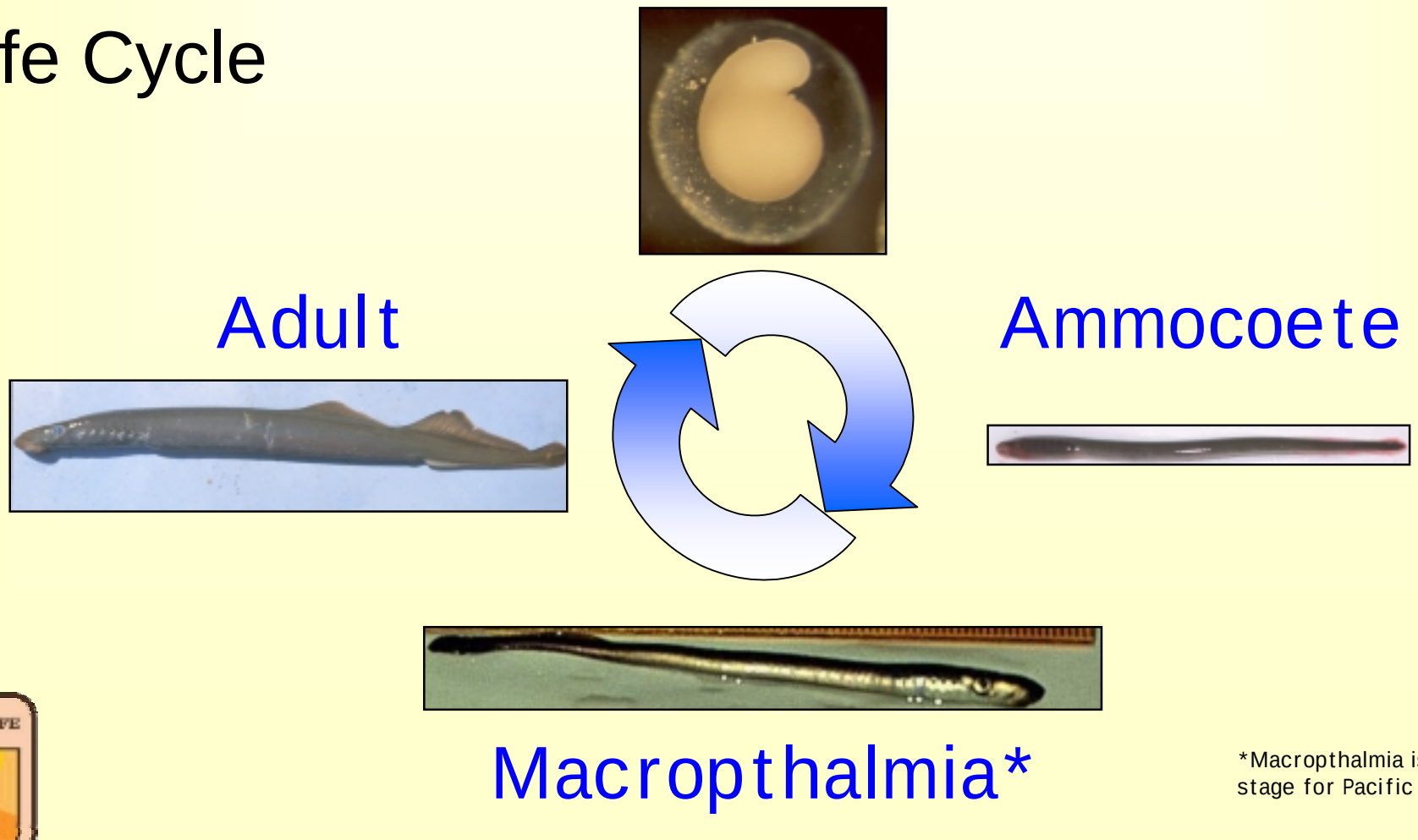
## Background

- Pacific lamprey in the Columbia River Basin have declined to only a remnant of the pre-1940s populations
- Status of the western brook lamprey is unknown
- Actions are currently being considered for the recovery of Pacific lamprey populations in the Columbia River Basin

## Goal

- Estimate abundance of adult lamprey that use Cedar Creek
- Evaluate spawning habitat requirements
- Determine larval distribution and habitat use
- Determine outmigrant timing
- Evaluate homing fidelity, survival rates, and ocean residence (future)

## Life Cycle




*Macropthalmia is the outmigrant stage for Pacific lamprey